

## Product datasheet for **MC216956**

### **Gsr (NM\_010344) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gsr (NM_010344) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gsr
Synonyms:	AI325518; D8Ertd238e; Gr-1; Gr1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**Fully Sequenced ORF:** >MC216956 representing NM\_010344  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCGCTGCTGCCCGGGCGCTGGGCGTGGGCGCGGCCCGAGCCTGCGCGGGCAGCGCGCGCTCA  
 CCTGCGCCATGGCGAGTCCCGGGGAGCCGAGCCCGGCCCGGACACCTCTTCCCTTCGACTACCTGGT  
 GATCGGGCGGGCTCCGGCGGGCTGGCCAGCGCGCGGGCGGGGAGCTCGGGCCAGGGCCGCGGTG  
 GTGGAGAGTCACAAGCTGGTGGCACTTGCCTGAATGTTGGATGTGTACCCAAAAAGGTAATGTGGAACA  
 CAGCAGTGCCTCGAATTCATGCACGATCACGTGGATTACGGCTTTCAAAGCTGTGAGGGTAAATTCAG  
 TTGGCATGTCATCAAGCAGAAAAGGGATGCCTATGTGAGCCGCCTGAACACCATCTATCAAAATAATTTA  
 ACCAAGTCTCACATAGAAATTATCCACGGCTATGCAACATTTCGAGATGGTCTCGGCCACGGTGAAG  
 TCAATGGGAAAAAGTTTACCGCTCCACACATCCTGATTGCCACAGGAGGGCTGCCACAGTTCTCAGCA  
 GAGCCAGATCCCAGGGCGCCAGCCTGGGGATCACCAGTGTGGCTTCTTTCAGCTGGAGGACTTGCCAGC  
 CGCAGCGTCATCGTGGGGCCGGGTACATTGCTGTGGAGATCGCGGGCATTCTCTGCCCTGGGCTCCA  
 AGACATCTCTTATGATCAGGCATGATAAGTACTGAGAAATTTGATTCACTCATCAGTTCCAACCTGCAC  
 CGAGGAAGTGGAGATGCCGGCGTGGAGGTGTTGAAGTTCACACAGGTTAAGGAAGTAAAAAGACATCA  
 TCAGGCCCTGGAGCTCAAAGTGGTGAATCCGTGCCTGGTAGGAAGCCACCACGACCATGATCCAGATG  
 TTGACTGCCTGCTCTGGGCCATTGGACGGGACCAAAATCTAAGGGCCTGAATCTGAATAAAGTGGGCAT  
 TCAGACGGATGAAAAGGGCCACATCCTAGTAGACGAATCCAGAATACCAATGTCAAAGGCGTCTATGCT  
 GTGGGAGACGCTGTGGGAAAGCGCTTCTACCCAGTTGCAATCGCTGCTGGCCGAAACTTGCCACATA  
 GACTGTTTGAATGCAACAAGATTCCAAATAGACTATGACAACATCCCTACTGTGGTCTTCAGCCACCC  
 CCTATTGGGACCGTGGGGCTCACTGAAGACGAAGCTGTTTCATAAGTATGGGAAAAGACAATGTGAAATC  
 TACTCGACTGCCTTTACCCGATGTATCAGCTGTGACCACGAGGAAGACGAAATGCGTCATGAAGATGG  
 TTTGTGCCAACAAAGAGGAAAAGGTGGTTGGCATTACATGCAGGGGATTGGCTGTGATGAGATGCTGCA  
 GGGCTTCGCTGTAGCGGTGAAAATGGGGGCCACCAAGGCCGACTTCGACAACACAGTTGCCATTCATCT  
 ACCTCTTCAGAGGAGCTGGTCACCCTGCGCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_010344

**Insert Size:** 1503 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_010344.4](#), [NP\\_034474.4](#)

**RefSeq Size:** 2692 bp

**RefSeq ORF:** 1503 bp

**Locus ID:** 14782

**UniProt ID:** [P47791](#)

**Cytogenetics:** 8 20.69 cM

**Gene Summary:** Maintains high levels of reduced glutathione in the cytosol.[UniProtKB/Swiss-Prot Function]